



#### CHANNEL DATA

Alignment and buoyage: From the sea, W of the lighthouse Kemi 1 (another deep approach passes E of Kemi 1), W of the ramark Kemi 2 to the harbour of Ajos. Three lines, the innermost marked by boards. Length is 40 km /29.6 nautical miles. Lateral marks. Lit.

Dimensions: Design ship 30,000 dwt, L = 180 m, B = 27 m, T = 10 m. Design draft 10.0 m. Safe clearance depth -11.8 m in the approach, -11.3 m in the entrance, -11.2 m and -11.1 m in the harbour basin. Minimum width 200 m (in the dredged part of the entrance). Design speed in the approach 12 knots, from Kemi 1 to RM Hebe, the position where the safe clearance depth alters 8 knots.

Note: Depth information reference level is N2000 (Baltic Sea Chart Datum 2000 / BSCD2000).

<https://www.traficom.fi/en/transport/maritime/n2000-fairway-and-nautical-chart-reform-improved>

Areas with meeting and overtaking prohibitions: The fairway has one permanent area of meeting and overtaking prohibitions, look closer to Bothnia VTS Masters´ Guide.

<https://tmfg.fi/en/vts/masters-guide>

Anchorage and other special areas: There is an area for anchoring and overtaking in the approach, between Kemi 1 and Kemi 3. Another area for anchoring and overtaking is situated in the entrance at Inakari, on the W side of the channel, about 2 km before harbour, depth 14 - 16 m, sand seabed, cardinal marks, unsheltered from sea winds.

#### NAVIGABILITY

Navigational conditions: After Hebe the channel narrows to 200 m and the rest of the fairway is dredged, its width being 200 m. Strong winds and heavy seas may impede navigation between Hebe and the harbour; heavy sea state all the way to the harbour.

Ice conditions: In early winter the ice is in movement in the whole fairway and buoys and spar buoys may be pressed under ice (surface). Between Kemi 1 and Kemi 2 heavy ice ridges difficult to force. In mid-winter 50-80 cm thick fast ice about 10-20 km off Ajos.

RECOMMENDATIONS (NB. Only applicable to the ice-free season).

Wind: Critical wind forces for the design ship 15 m/s between Ristinmatala and Inakari, direction NE-S-NW; 10 m/s between Inakari and the harbour, direction NE-S-NW.

Towing assistance: Ships without advanced manoeuvring characteristics should employ tugs in the harbour if wind speed exceeds 10 m/s.

Wind gauges: Marine weather observations, Kemi 1 lighthouse.

Sea level: Kemi mareograph

#### TRAFFIC SERVICE

Pilotage: E-mail: [pilotorder.west@finnpilot.fi](mailto:pilotorder.west@finnpilot.fi). Order a pilot: [www.pilotonline.fi](http://www.pilotonline.fi) . Tel. +358 (0) 400 907 979, fax +358 (0) 29 52 53012. Pilot boarding position Kemi S: 65°29,28' N, 24°19,02' E. Pilotage distance 10,8 nautical miles (20 km). NB. In winter and adverse weather conditions the pilot boarding position is separately agreed.

VTS: Bothnia VTS, VHF Channel 67. Tel. +358 204 48 7356. Email: [bothnia.vts@fintraffic.fi](mailto:bothnia.vts@fintraffic.fi)

Tugs: Arctia Karhu Ltd, e-mail: [towing@arctia.fi](mailto:towing@arctia.fi) tugs, Ahto 3600 kw, Jääsalo, 2 x 1294 kW, and Ulla, 883 kW. To be ordered from Kemi, tel. +358 400 392904 and +358 400 442904.

#### PORT

Quays: Oil terminal: safe clearance depth -11.2 m.  
Quay I, berths 1-2: length 160 m, safe clearance depth -10.6 m, berths 3-4: length 179 m, safe clearance depth -9.2 m.  
Quay II, berths 5-7: length 292 m, safe clearance depth -9.2 m.  
Quay III, berths 8-9: length 178 m, safe clearance depth -11.2 m.  
Quay IV, berths 10-11: length 178 m, safe clearance depth -11.2 m.

Cargo handling: Mobile cranes, 6-100 t, on all quays. Quays 1, 2, 3 and 4: ro-ro berths.

Harbour basins: Diameter of turning circle 400 m, use of anchor permitted. Use of anchor prohibited 10 m from quay.

#### Contact Information:

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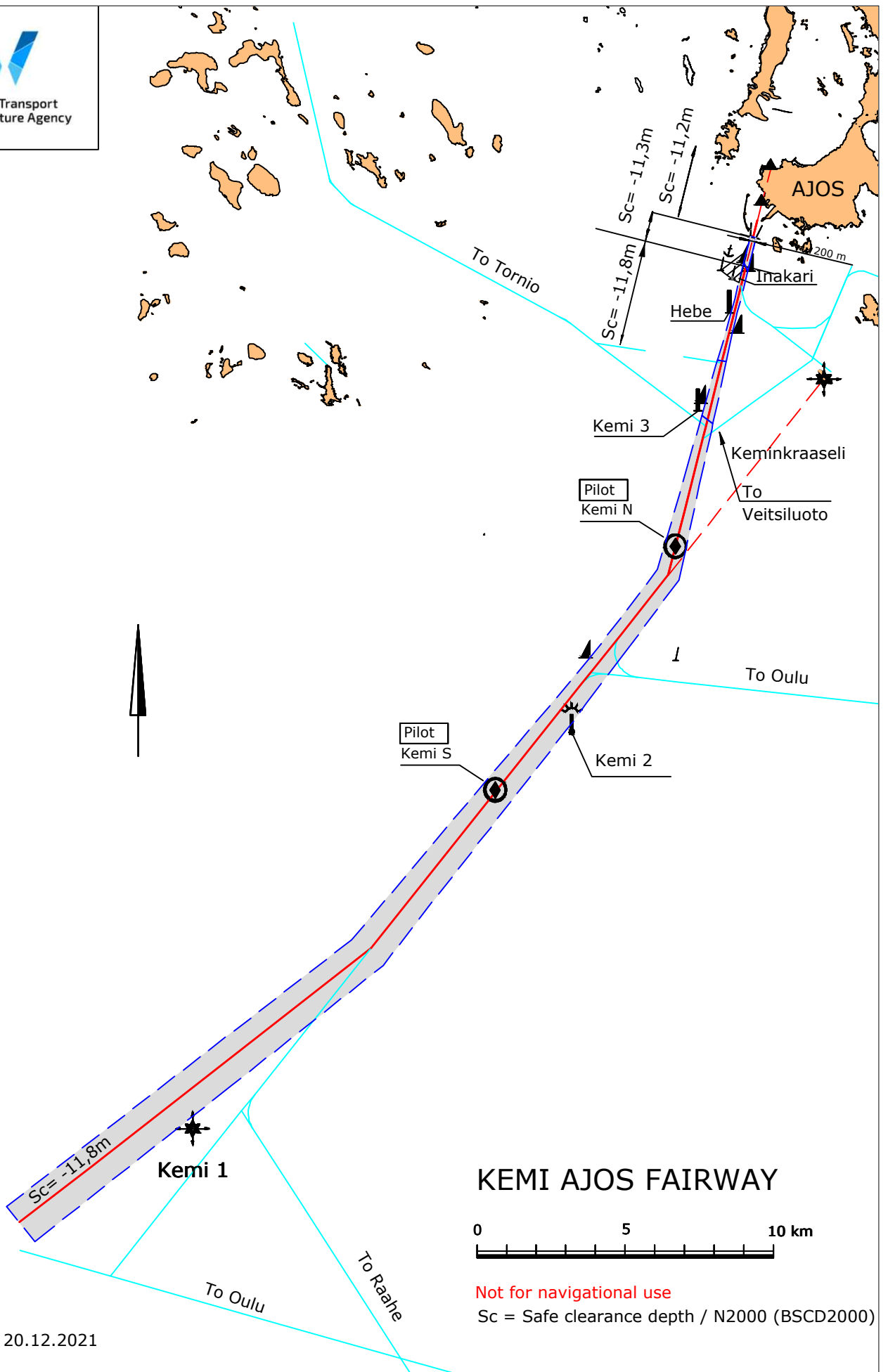
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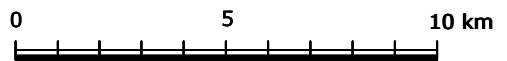
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## KEMI AJOS FAIRWAY



Not for navigational use

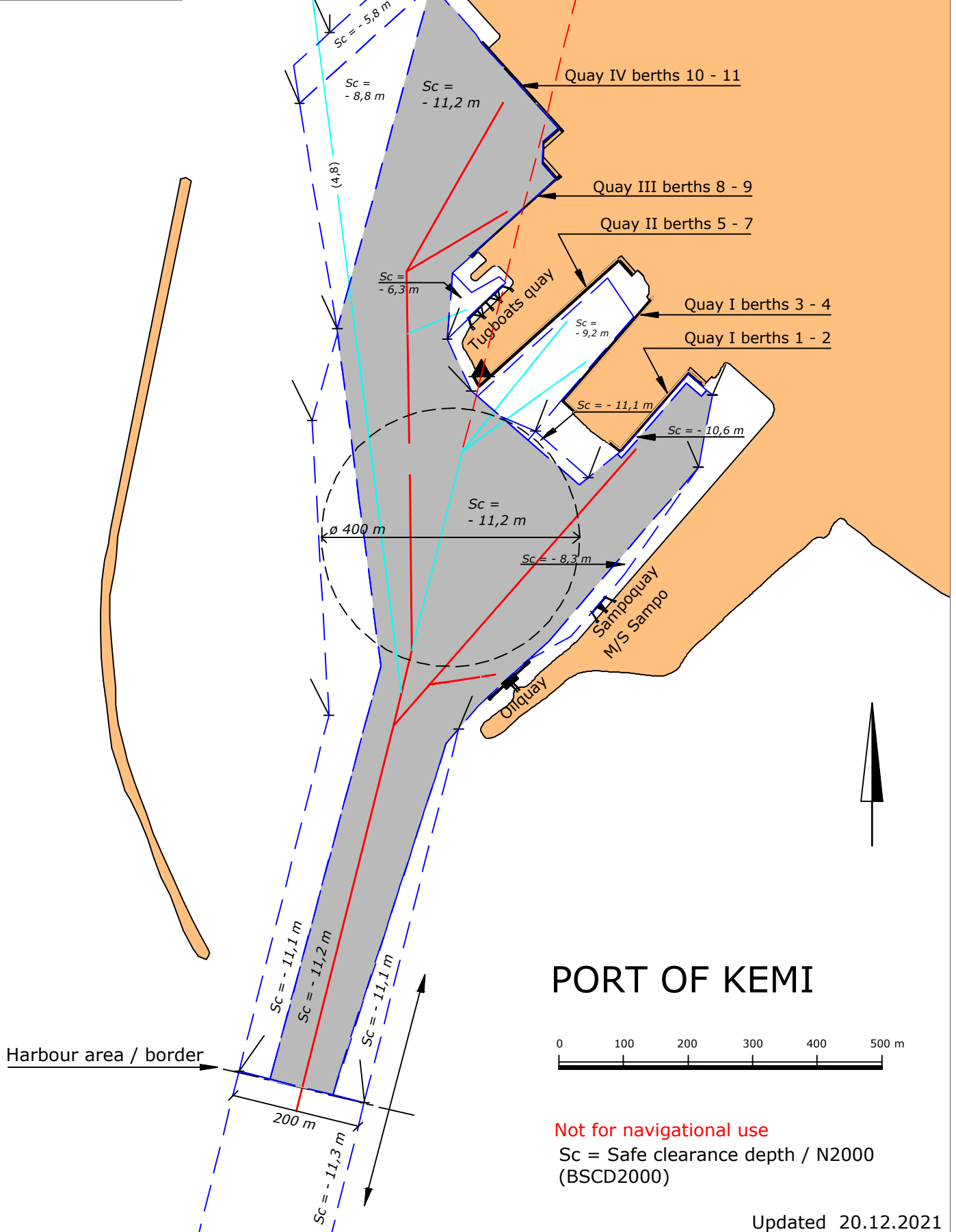
Sc = Safe clearance depth / N2000 (BSCD2000)

Updated 20.12.2021

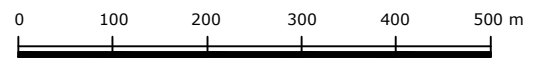


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## PORT OF KEMI



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